

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 February 2004 (26.02.2004)

PCT

(10) International Publication Number
WO 2004/016197 A1

(51) International Patent Classification⁷: **A61F 2/00**

(21) International Application Number:
PCT/US2003/026060

(22) International Filing Date: 19 August 2003 (19.08.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/404,509 19 August 2002 (19.08.2002) US

(71) Applicant (for all designated States except US): **LIQUID-METAL TECHNOLOGIES** [US/US]; 100 North Tampa Street, Suite 3150, Tampa, FL 33602 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **OPIE, David**

[US/US]; 820 Bywater Road, Annapolis, MD 21401 (US).
NGUYEN, Tranquoc, Thebao [US/US]; 2568 W. Rome Avenue, Anaheim, CA 92804 (US). **PEKER, Atakan** [TR/US]; 17 Coffeeberry, Aliso Viejo, CA 92656 (US).

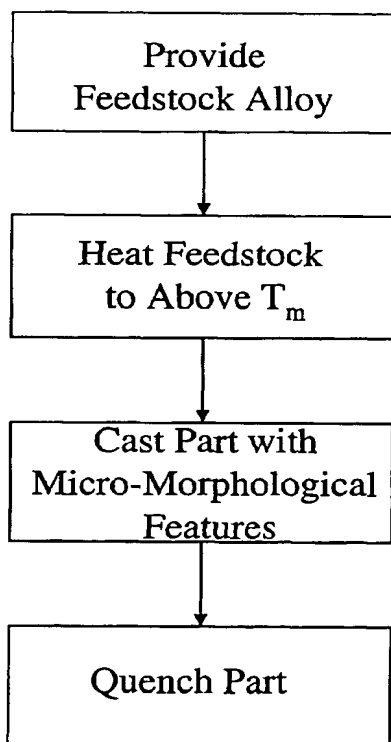
(74) Agent: **PACK, John, W.**; Christie, Parker, & Hale, LLP, Post Office Box 7068, Pasadena, CA 91109-7068 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

[Continued on next page]

(54) Title: MEDICAL IMPLANTS



(57) Abstract: The current invention is directed to a medical implant made of bulk-solidifying amorphous alloys and methods of making such medical implants, wherein the medical implants are biologically, mechanically, and morphologically compatible with the surrounding implanted region of the body.



ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments*

Published:

— *with international search report*

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*